OCEANESIP : Accurate Topex/Poseidon Residuals, Alongtrack or Gridded, and AVHRR/Reynolds Sea Surface Temperatures, with online subsetting and plotting.

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Http://oceanesip.jpl.nasa.gov is part of a NASA program of 'Earth Science Information Partners' (ESIPs), organized as a Federation. This particular ESIP, a collaboration among UT, OSU, and JPL in the altimetric area, focusses on delivering T/P sea level and waveheight data, both alongtrack and gridded, and ERS-1,2 sea level (with UT corrections and improvements), with all corrections applied, in a manner that allows users to subset, plot, and combine data on both sea level and sea temperature (from AVHRR/Reynolds).

As part this activity, we run a barotropic numerical model to generate corrections for the high-frequency response to wind and pressure in sea level. We also apply a new correction to TMR drift (C. Ruff, 1999), based not on a cycle-averaged value but on the actual drift of the Tb18, which causes different corrections for different values of water vapor. In collaboration with E. Rodriguez and P. Callahan we contributed to the effort to retrack T/P side A.

In addition a variety of plots are available online: maps, map animations, time series of area averages, Hovmoller diagramas, etc.